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Trans. of Akad[emiya] Nauk SSSR. Inst[itut]
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p. 55-64.

DESCRIPTORS: *Civil engineering, Construction, Vi-
bration, *Beams (Structural), Sheets, Metal plates,
Foundations (Structures)

(Engineering--Civil, TT, v. 10, no. 3)

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Labs. Library as Boeing Trans. R44. When supply is
exhausted, order from OTS or SLA \$1.60, 62-18855

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DESCRIPTORS: *Aerodynamic configurations, *Panels
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characteristics, Stability, Numerical analysis, Complex
numbers.

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[Rough draft] trans. of [Akademiya Nauk SSSR.
Institut Mekhaniki] Inzhenernyi Sbornik, 1959, v. 25,
p. 145-153.

DESCRIPTORS: *Structural shells, *Cylindrical
bodies, Stability, Load distribution, Deflection,
Theory, Numerical methods and procedures, Partial
differential equations.

The investigation is based on the equations of the
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Labs. Library as Boeing Trans. R49. When supply is
exhausted, order from OTS or SLA \$1.60, 62-18856

Trans. of Akademiy Nauk SSSR. Institut Mekhaniki
Inzhenernyi Sbornik, 1960, v. 27, p. 70-76.

DESCRIPTORS: *Aerodynamic configurations, *Panels
(Structural), *Flutter, Supersonic characteristics,
Numerical analysis, *Complex numbers.

In the problem of the flutter of a thin, elastic, rectan-
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locity, results of additional calculations are given for
the region of high velocities, in which the eigenvalues
of the corresponding non-self-conjugate boundary value
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by John W. Brook. May 62 [17]p 2refs Grumman Re-
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Trans. of [Akademiya Nauk SSSR, Institut Mekhaniki]
Inzhenernyi Sbornik, 1960, v. 28 [p. 36-43]. (Abstract
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DESCRIPTORS: *Thermodynamics, *Dissociation, *Air,
Chemical reactions, Excitation, Temperature, Energy,
Functions, Gases, Partial differential equations,
Molecules, Enthalpy, Entropy, Specific heat, Gas
ionization, Gas flow,

(Physics--Thermodynamics, TT, v. 11, no. 2) (over)

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DESCRIPTORS: *Flutter, Sheets, *Elastic shells,
Stability, Supersonic flow, Gas flow, *Aeroelasticity,
Fluid dynamics properties, Numerical analysis,
Aerodynamics, Panels (Structural), Structural shells,
Aerodynamic heating.

The study is devoted to an investigation of nonlinear
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DESCRIPTORS: *Aerodynamics, Fluid dynamics,
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EXACT SOLUTIONS FOR WINGS HAVING ONE AND
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Skachkami Uplomazhiya) J. W. Palmer, tr. Sep 63
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Abstract trans. is available from OTS or SLA \$1.10 as
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I. Keldysh, V. V.
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(Mechanics--Aerodynamics, TT, v. 11, no. 10)

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On the Question of the Estimation of the Walking
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Aerodynamic Characteristics of Delta Wing
With Deflected Aileron, Flap, and Other
Secondary Control Surfaces in Supersonic Flow,
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